

In the Claims

Claims 1 - 46 (Cancelled)

47. (New) A device for distributing a liquid, viscous or pasty product for retrieval with a tool or by a user, comprising a reservoir for containing the product and emptying in a distribution zone for retrieval of the product, wherein at least a part of the device upstream from the distribution zone is placed under excess pressure and the distribution zone comprises openings for preventing the product from exfiltrating in the absence of an action by the tool or user, which excess pressure is adjusted as a condition of the use at a value lower than the pressure causing the using of the product when the device is at rest, which pressure is also sufficient to cause exfiltration of product on the distribution zone when the user exerts an action on the distribution zone.

48. (New) The device according to claim 47, wherein the excess pressure is constituted of atmospheric pressure acting on the product.

49. (New) The device according to claim 47, wherein the part placed under excess pressure is formed by the product reservoir and comprises a means for placing the reservoir under a permanent pressure greater than atmospheric pressure.

50. (New) The device according to claim 47, wherein the excess pressure is performed by a piston.

51. (New) The device according to claim 50, wherein the piston is loaded by a weight exerting a vertical force on the piston.

52. (New) The device according to claim 50, wherein the piston is subjected to action of a spring supported on an adjustable base to adjust pressure exerted on the piston by adjusting the pressure exerted by the spring.

53. (New) The device according to claim 50, wherein the piston is subjected to action of a base adjustable by a manual pressure to adjust excess pressure exerted by the piston.

54. (New) The device according to claim 49, wherein means for placing under pressure is constituted of a part of the reservoir with a variable volume subjected to action of a force for placing under tension.

55. (New) The device according to claim 54, wherein the part of the reservoir with a variable volume is formed by a bellows.

56. (New) The device according to claim 49, wherein the excess pressure is exerted by a product column and the distribution zone is situated in a lower part of the reservoir.

57. (New) The device according to claim 49, wherein the excess pressure is exerted by a first part of a cylindrical body in which a piston is positioned, which first part is separated from a second part containing the product to be distributed by a flexible membrane.

58. (New) The device according to claim 49, wherein the excess pressure is formed by a pump actuated by the product distribution zone.

59. (New) The device according to claim 47, wherein the distribution zone comprises at least one slit whose dimensions are determined to prevent exfiltration of products in the absence of an action on a surface of the distribution zone.

60. (New) The device according to claim 59, wherein the distribution zone has a plurality of slits.

61. (New) The device according to claim 59, wherein the slits form a multidimensional network.

62. (New) The device according to claim 59, wherein the slits form angles between 60 and 80° with an outer surface of the distribution zone.

63. (New) The device according to claim 59, wherein the slits are formed at top portions of protuberances.

64. (New) The device according to claim 63, wherein the protuberances are constituted of hemispherical domes.

65. (New) The device according to claim 63, wherein the protuberances are constituted of lamellae.

66. (New) The device according to claim 59, wherein the slits are formed between two consecutive protuberances.

67. (New) The device according to claim 59, wherein a surface of the distribution zone comprises protuberances adjacent to the slits, ensuring an opening of the slit during rubbing on the distribution zone.

68. (New) The device according to claim 47, wherein the distribution zone is formed at a lower part of the liquid and obturates the product reservoir at rest.

69. (New) The device according to claim 47, wherein the distribution zone is prolonged by a deformable inner blade that comes to rest in contact with an outer blade, which outer blade is elastically mobile to allow product contained in the reservoir to exfiltrate when a pressure is exerted on the distribution zone.

70 (New) The device according to claim 69, wherein a conduit is deformed during manipulation of means for retrieval of product to force extraction of a dose of product.

71. (New) The device according to claim 47, wherein the distribution zone communicates with the reservoir by an inverted valve.

72. (New) The device according to claim 47, wherein the distribution zone is placed on a plate integral with a pump that causes the product to rise in a tube extending into the reservoir.

73. (New) The device according to claim 72, wherein the plate is hollow and a cavity constitutes a buffer reservoir, closed by the distribution zone and containing the product to be distributed, that is exfiltrated when action on a surface of the plate pushes downwardly and actuates the pump.

74. (New) The device according to claim 47, wherein the reservoir placed in excess pressure opens onto the distribution zone via two planes adjacent at rest, one of which plates is flexible and prolongs the distribution zone.

75. (New) The device according to claim 74, further comprising a valve for outflow of the liquid, which valve is closed when the two plates are coupled under an effect of memory of the shape of the materials tending to push the inner flexible plate against the outer plate.

76. (New) The device according to claim 47, wherein the reservoir empties onto the distribution zone via deformable conduits emptying on the distribution zone, which deformable conduits are closed at ends thereof by a pinched slit when at rest.

77. (New) The device according to claim 76, wherein the reservoir is located vertically above the distribution zone.

78. (New) The device according to claim 47, wherein the reservoir is constituted of several compartments emptying onto the distribution zone.

79. (New) The device according to claim 47, wherein the distribution zone comprises a flexible membrane forming hemispherical protuberances slit by a slit, which membrane rests on a rigid perforated plate comprising orifices opening on the hemispherical protuberances.

80. (New) The device according to claim 47, wherein the distribution zone comprises a flexible membrane constituted of a thick structure with hemispherical protuberances opening via distribution slits, and by semi-rigid intercalary zones.

81. (New) The device according to claim 47, comprising a bottle pourer located under or at the bottom of a bottle.

82. (New) The device according to claim 81, wherein the bottle pourer belongs to the distribution zone and is made from the same material.

83. (New) The device according to claim 47, wherein the distribution zone is provided with a shoe and forms a volume independent of a bottle that forms a reserve.

84. (New) The device according to claim 83, wherein the bottom of the bottle is perforated by a hollow needle forming a tube, located on the shoe.

85. (New) The device according to claim 47, wherein the product is contained in a flexible or elastic pocket.

86. (New) The device according to claim 47, wherein the distribution zone is provided with exterior reliefs like fibers deposited by flocking (flock spraying) or pitting (chipping, stitching), lamellae, foam or grains immersed in the mass.

87. (New) The device according to claim 85, wherein the pocket has a shape of a bar of soap and is constituted of at least one flexible membrane.

88. (New) The device according to claim 76, wherein the deformable conduits emptying on the distribution zone are obtained by flexible reliefs in boss beadings placed on a more rigid surface.

89. (New) The device according to claim 76, wherein the deformable conduits emptying on the distribution zone are obtained by forcibly removing a flexible material from the mold, then by creating the exit slit for the liquid by cutting.

90. (New) The device according to claim 47, wherein the distribution zone can be closed by a plug obturating the zone to render the distribution zone tight between filling of a bottle and its use and between two periods of use.

91. (New) The device according to claim 47, wherein the distribution zone is covered by a laminated adhesive obturating the zone to render the distribution zone tight between filling a bottle and its use.

92. (New) The device according to claim 47, wherein the product is contained in a flexible, elongated pocket and emptied by a mechanical action in a buffer reservoir closed by the distribution zone.